A8620 - 3

REPORT

NMTBA
The Association For Manufacturing Technology

Direct Dial: (703)827-5260

STATISTICAL

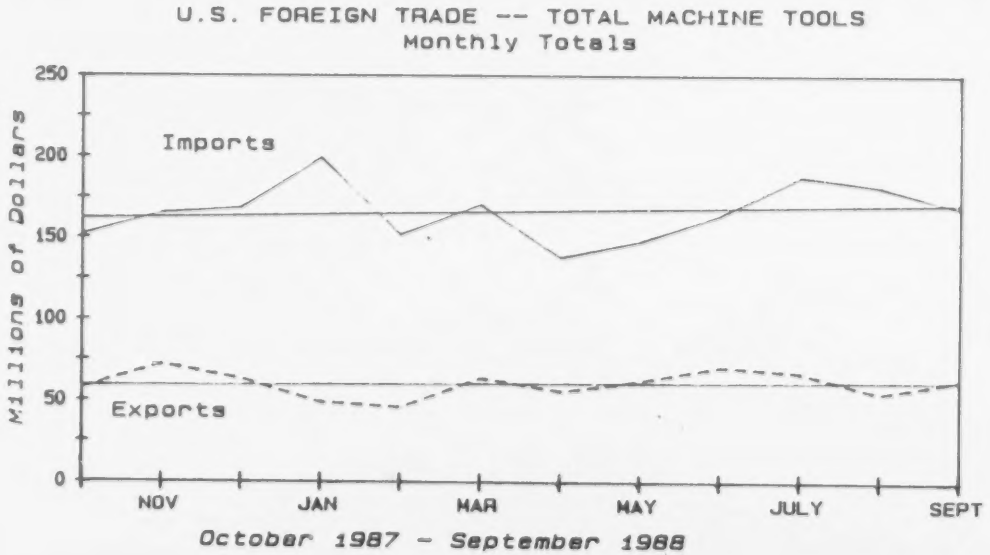
No. 11-89 January 25, 1989

U.S. FOREIGN TRADE IN MACHINE TOOLS - SEPTEMBER 1988

U.S. exports of machine tools were up 12% for the first nine months of 1988, while U.S. imports were down 1%, compared with 1987 year-to-date totals. During the third quarter of 1988, exports fell by 2% versus the second quarter, to $185.9 million, and imports increased by 19% to $538.0 million. The third quarter trade deficit of $352.1 million resulted in a nine month machine tool trade deficit of $973.4 million, 7% below the comparable 1987 figure.

U.S. Machine Tool Trade
($Millions)

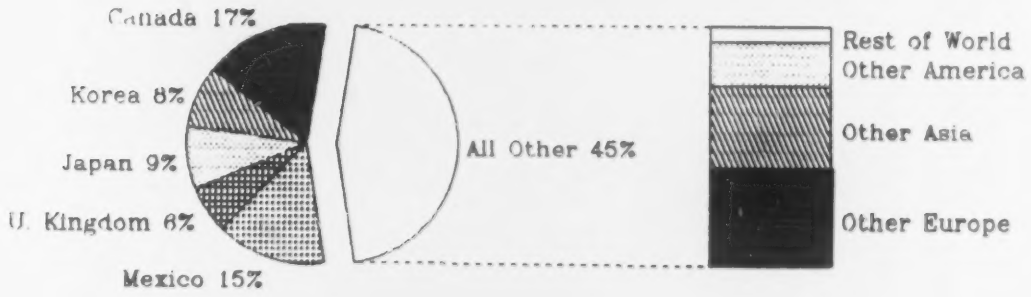
	Third Quarter 1988			Nine Month Total		
	Exports	Imports	Surplus (Deficit)	Exports	Imports	Surplus (Deficit)
Metal Cutting	$101.9	$395.7	($293.8)	$297.2	$1,141.6	($844.4)
Metal Forming	$ 84.0	$142.3	($ 58.3)	$239.2	$ 368.2	($129.0)
Total	$185.9	$538.0	($352.1)	$536.5	$1,509.9	($973.4)



7901 WESTPARK DRIVE, McLEAN, VIRGINIA 22102-4269 / PHONE (703) 893-2900 / TLX: 353819 / FAX (703)893-1151

Compared with the second quarter, third quarter U.S. exports of metal forming machine tools increased 1% and metal cutting exports fell 4%. For the first nine months of 1988, both cutting and forming machine tool exports increased by 6% and 22% respectively, over 1987 figures. For January through September 1988, the leading export markets were (in millions): Canada ($89.7), Mexico ($78.5), Japan ($46.6), the Korean Republic ($44.9) and the United Kingdom ($34.1).

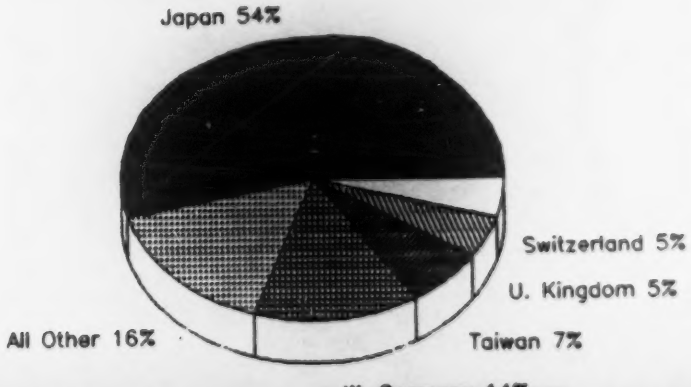
LEADING U.S. EXPORT MARKETS
JANUARY - SEPTEMBER 1988
(% Based on U.S. Dollar Values)



Note: Other America excludes Mexico and Canada; other Asia excludes Japan and Korea; other Europe excludes U. Kingdom

During the third quarter, U.S. imports of metal cutting machine tools increased 12% and metal forming imports jumped 44%. However, year-to-date metal forming imports were down 9% from 1987, while metal cutting imports were up 2%. The leading exporters to the United States during the first nine months of 1988 were (in millions): Japan ($814.9), West Germany ($211.5), Taiwan ($100.6), the United Kingdom ($72.1) and Switzerland ($70.1).

MAJOR U.S. IMPORT SOURCES
JANUARY - SEPTEMBER 1988
(% Based on U.S. Dollar Values)



U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
SEPTEMBER 1988

RELEASED: JANUARY 20, 1989

		TOTAL YTD		TOTAL MO.	
674:	METAL CUITING	UNITS	$000	UNITS	$000
3020	Gear Hobbers & Shapers	77	7034	7	1330
3045	Gear Cutting Machines, N.E.C.	47	11738	3	251
3204	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	82	6145	4	359
3206	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	10	2533	0	0
3209	Horizontal Machining Centers, ATC, NC	28	5353	6	1482
3211	Machining Centers, NC, N.E.C.	75	5696	20	1273
3216	Single Station and Multi-Station Transfer Machines	18	10849	0	0
3225	Way Type Machines (Unit Heads)	7	737	1	126
3245	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	2	692	0	0
3246	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	4	938	1	223
3247	Vertical Boring-Drilling-Milling Machines, NC	9	1449	6	180
3248	Horiz. Boring-Drilling-Milling Machines, Non-NC	6	753	2	189
3249	Vertical Boring-Drilling-Milling Machines, Non-NC	31	2015	6	880
3254	Drilling Machines, NC	38	3349	2	50
3255	Drilling Machines, Multi-Spindle, Non-NC	21	1670	4	163
3256	Drilling Machines, Radial, Non-NC	17	623	3	65
3257	Drilling Machines, Upright, Single Spindle, Non-NC	10	276	0	0
3258	Drilling Machines, Non-NC, N.E.C.	89	2395	22	903
3264	Milling Machines, NC	14	4023	2	888
3266	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	31	4795	4	1816
3267	Milling Machines, Knee-Type, Non-NC	3	139	1	51
3268	Milling Machines, Bed Type, Non-NC	11	1020	1	450
3269	Milling Machines, Non-NC, N.E.C.	133	7434	7	436
3276	Vertical Boring Machines, Incl. VTLs, NC	2	840	0	0
3277	Vertical Boring Machines, Incl. VTLs, Non-NC	63	3706	6	560
3281	Boring Machines, NC, N.E.C.	5	323	2	113
3283	Boring Machines, Non-NC, N.E.C.	84	3862	4	154
3503	Horizontal Lathes, Multi-Spindle, NC	38	8897	0	0
3505	Horizontal Lathes, Excl. Multi-Spindle, NC, Less Than 25 HP	103	7726	16	1383
3507	Horizontal Lathes, Excl. Multi-Spindle, NC, 25-50 HP	20	3208	1	304
3509	Horizontal Lathes, Excl. Multi-Spindle, NC, Over 50 HP	7	2144	1	154
3510	Horizontal Engine & Toolroom Lathes, Non-NC	75	2559	11	391
3511	Automatic Chucking Lathes, Single Spindle, Non-NC	19	2119	1	95
3512	Automatic Chucking Lathes, Multi-Spindle, Non-NC	9	725	1	147
3515	Automatic Bar Machines, Single-Spindle, Non-NC	28	728	5	458
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	36	1401	0	0
3518	Horizontal Lathes, Non-NC, N.E.C.	268	6420	22	543
3521	Vertical Lathes, Multi-Spindle, Excl. VTLs, NC	3	438	0	0
3523	Vertical Lathes, Excl. Multi-Spindle & VTLs, NC	14	781	9	559
3525	Vertical Lathes, Excl. VTLs, Non-NC	87	4994	11	1120
3528	Grinding, Polishing, Honing & Lapping Machines, NC	192	31529	12	1548
3529	Gear Tooth Grinding & Finishing Machines, Non-NC	39	1357	2	61
3531	Tool & Cutter Grinding Machines, Non-NC	312	4814	45	432
3532	Honing & Lapping Machines, Non-NC	441	5392	68	798
3533	Grinding Machines, Flat Surface Reciprocating Table, Non-NC	130	2104	25	291
3538	Grinding Machines, Flat Surface, Non-NC, N.E.C.	254	15456	28	2079
3541	External Grinding Machines, Non-NC	14	2247	2	501
3542	Internal Grinding Machines, Non-NC	27	5409	1	333
3544	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	166	8186	6	84
3546	Grinding Machines, Non-NC, N.E.C.	229	8328	20	838
3547	Traveling Wire Electrical Discharge Machines	4	217	0	0
3549	All Other Electrical Discharge Machines	188	2050	37	182
3551	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	10	504	1	43
3553	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	78	3012	14	420
3559	Metal Cutting Machine Tools, NC, N.E.C.	101	5002	12	579
3565	Sawing & Cut-Off Machines, Non-NC	477	7358	81	1539
3566	Broaching Machines, Non-NC	11	1909	1	14
3567	Metal Cutting Machine Tools, Non-NC, N.E.C.	204	5348	22	418
4000	Metal Cutting Machine Tools, Used Or Rebuilt*	4900	42676	665	3906
5000	Metal Cutting Machine Tools, Less Than $2500**	22072	11931	2610	1342
	TOTAL CUTTING			3846	32501
	TOTAL CUITING YTD	31473	297303		
674:	METAL FORMING				
1011	Die Casting Machines & Parts	0	15165	0	1274
3568	Metal Forming Machine Tools, Used Or Rebuilt	837	12053	131	2076
3569	Metal Forming Machine Tools, Less Than $2500	4839	3044	360	258
3571	Punching & Shearing Machines, Incl. Combination, NC	75	12791	7	952
3573	Shearing Machines, Non-NC	102	2921	13	538
3575	Punching & Combination Punching & Shearing Machines, Non-NC	741	17644	111	1475
3578	Bending, Folding, Straightening & Flattening Machines, NC	95	4326	13	734
3582	Press Brakes, Non-NC	83	3735	19	254
3583	Bending Rolls, Ram & Press Bending Machines, Non-NC	12	1243	2	17
3584	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	757	26427	69	3253
3588	Mechanical Presses	221	21494	23	3397
3589	Hydraulic Presses, Vertical, Single Action	91	4451	14	713
3590	Hydraulic & Pneumatic Presses	911	42871	82	4306
3594	Headers & Upsetters, Non-NC	69	15884	5	2545
3595	Forging Machines, Non-NC, N.E.C.	129	2930	16	527
3598	Metal Forming Machine Tools, Non-NC, N.E.C.	1031	52280	233	8335
	TOTAL FORMING			1098	10652
	TOTAL FORMING YTD	9993	239236		
	TOTAL ALL TYPES			4944	63153
	TOTAL ALL TYPES YTD	41466	536539		

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3015, 3241, 3252, 3261, 3272, 3501, 3526, & 3554.
**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3243, 3253, 3262, 3273, 3502, 3527, & 3557

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE.
SEPTEMBER 1988

	AUSTRIA		BELGIUM		DENMARK		FRANCE		IRELAND	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	3	540	1	471
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	3	285	0	0	7	601	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	1	6	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	1	10	0	0	1	15	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	2	159	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	1	2	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	3	277	0	0
3565	0	0	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	0	0	2	12	0	0	8	20	0	0
5000	0	0	8	5	0	0	0	0	11	13
CUT MO.	1	10	16	463	1	15	22	1444	12	484
CUT YTD	85	798	204	4178	8	408	402	6592	23	1024
1011	0	4	0	6	0	0	0	13	0	0
3568	0	0	0	0	0	0	1	8	0	0
3569	0	0	0	0	0	0	48	11	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	0	0	0	0	7	92	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	0	0	1	28	0	0
3588	0	0	0	0	0	0	3	189	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	26	162	0	0	0	0	0	0	1	41
FRM MO.	26	166	0	6	0	0	60	341	1	41
FRM YTD	27	272	155	1192	11	217	448	7206	17	503
TOT MO.	27	176	16	469	1	15	82	1785	13	525
TOT YTD	112	1066	359	5370	19	625	850	13798	40	1527

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
SEPTEMBER 1988

	ITALY		NETHERLANDS		POLAND		SPAIN		SWEDEN	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	2	45	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	6	180	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	6	144	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	1	190	0	0	0	0	0	0	0	0
3528	1	297	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	2	15	0	0	0	0	0	0	0	0
3532	0	0	1	9	0	0	0	0	1	5
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	3	4	0	0	2	2	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	1	13	0	0
3565	0	0	21	155	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	38	197	3	85	0	0	0	0	0	0
5000	141	61	46	32	0	0	0	0	13	19
CUT MO	183	760	88	654	0	0	3	15	14	24
CUT YTD	585	6589	303	2443	4	21	271	1729	188	2039
1011	0	12	0	2	0	0	0	0	0	0
3568	0	0	0	0	0	0	0	0	0	0
3569	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	0	0	0	0	0	0	1	24
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	0	0	2	14	1	16
3588	2	399	0	0	0	0	0	0	0	0
3589	1	51	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	1	11	0	0
3594	1	610	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	28	259	0	0	0	0	1	50
FRM MO	4	1072	28	261	0	0	3	25	3	90
FRM YTD	108	5896	152	3015	1	50	79	4712	81	1154
TOT MO	187	1832	116	915	0	0	6	40	17	114
TOT YTD	693	12485	455	5458	5	71	350	6441	269	3193

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
SEPTEMBER 1988

	SWITZERLAND		U. KINGDOM		USSR		W. GERMANY		YUGOSLAVIA	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	1	75	0	0	0	0	0	0
3204	0	0	0	0	0	0	1	21	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	6	730	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	1	19	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	2	1789	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	2	9	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	1	142	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	1	226	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	4	325	0	0	1	455	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	7	37	0	0
3532	10	145	1	45	0	0	27	272	0	0
3533	0	0	5	60	0	0	0	0	0	0
3538	0	0	2	165	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	1	12	0	0	0	0	0	0
3546	0	0	0	0	0	0	1	95	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	10	45	0	0	3	5	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	1	12	0	0	0	0	0	0	0	0
3559	0	0	1	22	0	0	4	45	0	0
3565	0	0	1	18	0	0	2	38	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	0	0	36	150	6	61	10	50	0	0
5000	21	8	230	141	1	2	52	34	0	0
CUT MO.	32	165	304	3747	7	63	109	1278	0	0
CUT YTD	217	2215	2223	21912	71	1155	1119	12543	2	85
1011	0	45	0	45	0	0	0	50	0	0
3568	0	0	0	0	0	0	3	58	0	0
3569	0	0	21	18	0	0	0	0	0	0
3571	0	0	3	626	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	3	23	2	19	0	0	5	58	0	0
3578	0	0	6	150	0	0	0	0	0	0
3582	0	0	0	0	0	0	2	12	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	7	187	0	0	1	19	0	0
3588	0	0	1	86	0	0	0	0	1	200
3589	0	0	12	512	0	0	0	0	0	0
3590	0	0	2	35	0	0	10	550	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	2	137	0	0	2	23	0	0
3598	0	0	5	91	0	0	26	577	0	0
FRM MO.	3	68	61	1906	0	0	49	1347	1	200
FRM YTD	45	1470	389	12161	2	52	1125	18133	5	835
TOT MO.	35	233	365	5653	7	63	158	2625	1	200
TOT YTD	262	3685	2612	34073	73	1207	2244	30676	7	920

U S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
SEPTEMBER 1988

	OTH	EUROPE	CANADA		MEXICO		OTH N & C		ARGENTINA	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	2	31	0	0	0	0
3045	0	0	0	0	0	0	1	109	0	0
3204	0	0	0	0	1	58	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	1	369	1	102	0	0	0	0
3211	0	0	1	18	3	165	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	1	126	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	1	223	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	1	453	5	427	0	0	0	0
3254	0	0	2	50	0	0	0	0	0	0
3255	0	0	4	163	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	3	8	5	230	0	0	0	0
3264	0	0	1	712	0	0	0	0	0	0
3266	0	0	0	0	2	27	0	0	0	0
3267	0	0	1	51	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	1	87	3	47	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	2	494	1	19	1	19	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	2	48	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	1	75	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	3	178	8	213	0	0	0	0
3511	0	0	0	0	1	95	0	0	0	0
3512	0	0	0	0	1	147	0	0	0	0
3515	0	0	3	449	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	1	93	10	99	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	8	333	0	0	0	0
3525	0	0	4	513	1	16	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	1	16	0	0	0	0	0	0
3531	0	0	9	108	9	57	0	0	0	0
3532	2	12	7	62	3	24	0	0	0	0
3533	0	0	0	0	5	55	0	0	0	0
3538	0	0	6	165	13	255	0	0	0	0
3541	0	0	2	501	0	0	0	0	0	0
3542	0	0	0	0	1	333	0	0	0	0
3544	0	0	0	0	2	37	0	0	0	0
3546	0	0	6	418	7	56	0	0	1	31
3547	0	0	0	0	0	0	0	0	0	0
3549	1	2	0	0	9	76	0	0	0	0
3551	0	0	1	43	0	0	0	0	0	0
3553	0	0	1	122	0	0	0	0	0	0
3559	1	85	1	117	1	20	0	0	0	0
3565	0	0	34	341	14	838	0	0	0	0
3566	0	0	0	0	1	14	0	0	0	0
3567	0	0	6	57	0	0	0	0	0	0
4000	34	86	44	391	321	1054	3	10	0	0
5000	14	11	925	351	458	290	50	35	0	0
CUT MO.	52	196	1074	6754	898	5166	55	173	1	31
CUT YTD	313	9581	9791	50945	5332	52039	370	1255	127	1126
1011	0	3	0	331	0	80	0	35	0	0
3568	0	0	17	147	27	419	0	0	0	0
3569	0	0	169	115	102	93	0	0	0	0
3571	0	0	4	326	0	0	0	0	0	0
3573	2	25	5	454	3	18	0	0	0	0
3575	2	12	18	343	11	179	0	0	2	160
3578	0	0	1	139	0	0	0	0	0	0
3582	0	0	17	242	0	0	0	0	0	0
3583	0	0	0	0	2	17	0	0	0	0
3584	12	117	15	789	10	138	1	7	0	0
3588	1	66	0	0	3	41	0	0	2	1245
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	10	561	53	1029	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	12	367	0	0	0	0
3598	0	0	24	541	24	364	3	137	0	0
FRM MO.	17	223	280	3988	247	2745	4	179	4	1405
FRM YTD	107	2263	2850	38720	1876	26509	143	1160	46	2260
TOT MO.	69	419	1354	10742	1145	7911	59	352	5	1436
TOT YTD	420	11844	12641	89665	7208	78548	513	2415	173	3386

U S EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
SEPTEMBER 1988

	BRAZIL		COLOMBIA		VENEZUELA		OTH S AM		CHINA	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	3	304	0	0	0	0
3045	0	0	0	0	1	67	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	5	149	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	1	75	0	0	1	114
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	2	54	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	3	450
3269	1	27	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	1	12	0	0	1	16
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	1	25	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	4	320	0	0	1	102	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	1	28	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	0	0	1	18	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	1	47	0	0	0	0	0	0	1	425
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	1	65	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	4	28
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	0	0	0	0	2	32
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	7	2	13	86	13	44	11	116	37	632
5000	28	37	7	4	190	38	16	11	0	0
CUT MO	43	290	25	428	211	594	30	319	49	1697
CUT YTD	174	4769	184	2379	2889	11722	229	1477	360	16741
1011	0	32	0	26	0	38	0	3	0	34
3568	0	0	14	286	0	0	2	97	60	880
3569	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	3	39	11	137	0	0	0	0	0	0
3578	0	0	0	0	3	364	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	0	0	0	0	0	0
3588	0	0	1	11	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	1	150
3590	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	32	350	4	695	15	690	2	555
FRM MO	3	71	58	810	7	1097	17	790	63	1619
FRM YTD	66	8907	105	1563	221	6485	48	1236	117	6468
TOT MO	46	361	83	1238	218	1691	47	1109	112	3316
TOT YTD	240	13676	289	3942	3110	18207	277	2713	477	23209

U S EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
SEPTEMBER 1988

	HONG KONG		INDIA		INDONESIA		ISRAEL		JAPAN	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	2	995	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	2	280
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	2	113
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	1	3
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	1	21
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	2	113
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	1	304
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	3	102	0	0	1	15	0	0
3528	0	0	1	56	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	1	45
3531	4	25	0	0	0	0	0	0	5	105
3532	2	20	0	0	0	0	1	11	1	33
3533	0	0	0	0	0	0	0	0	1	6
3538	0	0	1	196	0	0	0	0	1	642
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	2	21	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	1	5
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	1	2	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	4	39	0	0	0	0	1	45
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	15	275
4000	4	35	0	0	0	0	9	22	1	12
5000	5	7	5	3	0	0	0	0	6	5
CUT MO	17	108	16	1391	0	0	12	50	42	2007
CUT YTD	253	2038	213	5827	30	322	146	3585	1367	18539
1011	0	5	0	23	0	0	0	0	0	6
3568	0	0	0	0	0	0	0	0	0	0
3569	1	2	4	4	0	0	0	0	8	9
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	8	58	2	25	0	0	0	0	5	93
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	1	34	1	15	0	0	0	0	12	1843
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	1	10	1	22
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	4	187	0	0	0	0	9	431
FRM MO.	10	99	11	254	0	0	1	10	35	2404
FRM YTD	159	3636	57	1998	7	385	17	2150	446	28077
TOT MO.	27	207	27	1645	0	0	13	60	77	4411
TOT YTD	412	5674	270	7825	37	707	163	5735	1813	46616

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
SEPTEMBER 1988

	KOREAN REP		PAKISTAN		S. ARABIA		SINGAPORE		TAIWAN	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	1	53	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	2	46	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	9	591	0	0	2	17	0	0	0	0
3264	0	0	0	0	0	0	1	176	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	1	81	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	1	154	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	1	284	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	5	415
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	2	19	0	0	5	33
3532	2	39	0	0	0	0	2	20	2	32
3533	0	0	0	0	0	0	0	0	13	157
3538	0	0	0	0	0	0	1	142	1	14
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	1	14	0	0	0	0	0	0	0	0
3546	1	9	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	11	229	0	0	0	0	0	0	1	57
3559	0	0	0	0	0	0	0	0	0	0
3565	2	33	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	1	86	0	0
4000	4	610	0	0	0	0	3	40	24	48
5000	33	23	0	0	0	0	47	43	153	32
CUT MO.	66	2067	0	0	6	82	56	560	204	788
CUT YTD	716	27280	76	1181	223	554	1012	4739	670	7561
1011	0	445	0	0	0	0	0	2	0	4
3568	0	0	0	0	0	0	0	0	0	0
3569	7	6	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	1	21
3575	2	41	0	0	0	0	2	14	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	1	21	0	0	0	0	2	9
3588	2	104	0	0	2	280	0	0	1	130
3589	0	0	0	0	0	0	0	0	0	0
3590	2	2077	0	0	0	0	0	0	0	0
3594	3	1529	0	0	0	0	0	0	1	406
3595	0	0	0	0	0	0	0	0	0	0
3598	2	467	0	0	0	0	1	68	0	0
FRM MO.	18	4669	1	21	2	280	3	84	5	570
FRM YTD	266	17660	8	324	27	850	142	1680	95	8770
TOT MO.	84	6736	1	21	8	362	59	644	209	1358
TOT YTD	982	44940	84	1505	250	1404	1154	6419	765	16331

U S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
SEPTEMBER 1988

	TURKEY		OTHER ASIA		AUSTRALIA		NEW ZEALAND		OTH OCEANIA	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	2	11	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	2	33	0	0	0	0
3532	0	0	0	0	3	26	0	0	0	0
3533	0	0	1	13	0	0	0	0	0	0
3538	1	28	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	3	16	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	0	0	12	83	1	7	0	0	0	0
5000	0	0	40	38	93	72	2	3	2	2
CUT MO.	1	28	58	181	99	138	2	3	2	2
CUT YTD	49	2818	281	1830	367	2621	99	178	3	6
1011	0	23	0	0	0	7	0	0	0	0
3568	0	0	0	0	0	0	5	61	0	0
3569	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	2	20	0	0	0	0	0	0
3575	0	0	27	158	0	0	0	0	0	0
3578	0	0	2	61	1	20	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	1	6	1	10	0	0	0	0
3588	1	488	2	43	1	115	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	2	11	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	26	2670	0	0	0	0	0	0
FRM MO.	1	511	60	2958	5	163	5	61	0	0
FRM YTD	22	2174	282	8955	195	6430	18	1892	0	1
TOT MO.	2	539	118	3139	104	301	7	64	2	2
TOT YTD	71	4992	563	10785	562	9051	117	2070	3	9

U S EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
SEPTEMBER 1988

674	EGYPT UNITS	EGYPT $000	REP S AFR UNITS	REP S AFR $000	OTH AFRICA UNITS	OTH AFRICA $000
3020	0	0	0	0	0	0
3045	0	0	0	0	0	0
3204	0	0	0	0	0	0
3206	0	0	0	0	0	0
3209	0	0	0	0	0	0
3211	0	0	0	0	0	0
3216	0	0	0	0	0	0
3225	0	0	0	0	0	0
3245	0	0	0	0	0	0
3246	0	0	0	0	0	0
3247	0	0	0	0	0	0
3248	0	0	0	0	0	0
3249	0	0	0	0	0	0
3254	0	0	0	0	0	0
3255	0	0	0	0	0	0
3256	0	0	0	0	0	0
3257	0	0	0	0	0	0
3258	0	0	0	0	0	0
3264	0	0	0	0	0	0
3266	0	0	0	0	0	0
3267	0	0	0	0	0	0
3268	0	0	0	0	0	0
3269	0	0	1	254	0	0
3276	0	0	0	0	0	0
3277	0	0	0	0	0	0
3281	0	0	0	0	0	0
3283	0	0	0	0	0	0
3503	0	0	0	0	0	0
3505	0	0	0	0	0	0
3507	0	0	0	0	0	0
3509	0	0	0	0	0	0
3510	0	0	0	0	0	0
3511	0	0	0	0	0	0
3512	0	0	0	0	0	0
3515	0	0	0	0	0	0
3516	0	0	0	0	0	0
3518	0	0	0	0	0	0
3521	0	0	0	0	0	0
3523	0	0	0	0	0	0
3525	0	0	0	0	0	0
3528	0	0	0	0	0	0
3529	0	0	0	0	0	0
3531	0	0	0	0	0	0
3532	0	0	0	0	0	0
3533	0	0	0	0	0	0
3538	0	0	0	0	0	0
3541	0	0	0	0	0	0
3542	0	0	0	0	0	0
3544	0	0	0	0	0	0
3546	0	0	0	0	0	0
3547	0	0	0	0	0	0
3549	0	0	0	0	0	0
3551	0	0	0	0	0	0
3553	0	0	0	0	0	0
3559	0	0	0	0	0	0
3565	0	0	0	0	0	0
3566	0	0	0	0	0	0
3567	0	0	0	0	0	0
4000	0	0	21	53	0	0
5000	0	0	9	19	4	3
CUT MO.	0	0	31	326	4	3
CUT YTD	39	252	433	2072	22	192
1011	0	0	0	0	0	0
3568	2	120	0	0	0	0
3569	0	0	0	0	0	0
3571	0	0	0	0	0	0
3573	0	0	0	0	0	0
3575	0	0	0	0	0	0
3578	0	0	0	0	0	0
3582	0	0	0	0	0	0
3583	0	0	0	0	0	0
3584	0	0	0	0	0	0
3588	0	0	0	0	0	0
3589	0	0	0	0	0	0
3590	0	0	0	0	0	0
3594	0	0	0	0	0	0
3595	0	0	0	0	0	0
3598	0	0	0	0	0	0
FRM MO.	2	120	0	0	0	0
FRM YTD	2	129	17	209	9	1498
TOT MO.	2	120	31	326	4	3
TOT YTD	41	381	450	2281	31	1690

U.S. EXPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMNS
SEPTEMBER 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER EUROPE						
AZORES	0	0	0	0	0	0
BULGARIA	0	0	0	0	0	0
CYPRUS	0	0	0	0	0	0
CZECHOSLOVAKIA	0	0	0	0	0	0
EAST GERMANY	0	0	0	0	0	0
FINLAND	4	91	9	61	13	152
GIBRALTAR	0	0	0	0	0	0
GREECE	2	12	3	78	5	90
HUNGARY	0	0	0	0	0	0
ICELAND	0	0	0	0	0	0
MALTA	0	0	0	0	0	0
NORWAY	13	9	1	11	14	20
PORTUGAL	33	84	4	73	37	157
ROMANIA	0	0	0	0	0	0
OTHER EUROPE	0	0	0	0	0	0
TOTAL	52	196	17	223	69	419
OTHER NORTH AND CENTRAL AMERICA						
BAHAMAS	43	28	0	0	43	28
BARBADOS	0	0	1	7	1	7
BELIZE	1	109	0	0	1	109
BERMUDA	0	0	0	0	0	0
CAYMAN ISLANDS	0	0	0	0	0	0
COSTA RICA	8	13	0	3	8	16
DOMINICAN REP	1	19	2	95	3	114
FR. W. INDIES	0	0	0	0	0	0
GUATEMALA	1	2	0	0	1	2
HAITI	0	0	0	0	0	0
HONDURAS	0	0	0	0	0	0
JAMAICA	0	0	1	55	1	55
LW & WW IS.	0	0	0	0	0	0
NICARAGUA	0	0	0	0	0	0
N. ANTILLES	1	2	0	12	1	14
PANAMA	0	0	0	0	0	0
SALVADOR	0	0	0	7	0	7
TRINIDAD	0	0	0	0	0	0
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM.	0	0	0	0	0	0
TOTAL	55	173	4	179	59	352
OTHER SOUTH AMERICA						
BOLIVIA	0	0	0	0	0	0
CHILE	21	288	1	94	22	382
ECUADOR	1	25	15	334	16	359
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	6	4	0	0	6	4
PARAGUAY	0	0	0	0	0	0
PERU	2	2	1	362	3	364
SURINAM	0	0	0	0	0	0
URAGUAY	0	0	0	0	0	0
OTHER S. AM.	0	0	0	0	0	0
TOTAL	30	319	17	790	47	1109
OTHER OCEANIA						
FR. PAC. IS.	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
SAMOA	0	0	0	0	0	0
TERR. PAC. IS.	0	0	0	0	0	0
OTH. PAC. IS.	2	2	0	0	2	2
OTHER OCEANIA	0	0	0	0	0	0
TOTAL	2	2	0	0	2	2

U.S. EXPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMN
SEPTEMBER 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	3	6	1	13	4	19
BAHRAIN	0	0	0	0	0	0
BANGALDESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
JORDAN	0	0	0	0	0	0
KUWAIT	7	10	0	0	7	10
LEBANON	0	0	0	0	0	0
MALAYSIA	20	13	9	175	29	188
NEPAL	0	0	23	2585	23	2585
OMAN	5	4	0	0	5	4
PHILIPPINES	5	5	2	43	7	48
QATAR	0	0	0	0	0	0
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	18	143	25	142	43	285
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	58	181	60	2958	118	3139
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMENY	0	0	0	0	0	0
ETHIOPIA	0	0	0	0	0	0
GABON	0	0	0	0	0	0
GHANA	0	0	0	0	0	0
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	0	0	0	0	0	0
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAGASY REP.	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	0	0	0	0	0	0
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	0	0	0	0	0	0
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S. W. AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWAZILAND	0	0	0	0	0	0
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	0
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	4	3	0	0	4	3
OTH. WEST AFR.	0	0	0	0	0	0
OTHER AFRICA	0	0	0	0	0	0
TOTAL	4	3	0	0	4	3

SOURCE: U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO. EM522; NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES: 1)'0-' = DOLLAR AMOUNT LESS THAN $500. 2)N.E.C. - NOT ELSEWHERE CLASSIFIED.
3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING.

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
SEPTEMBER 1988

RELEASED: JANUARY 20, 1989

		TOTAL YTD		TOTAL MO.	
674:	METAL CUTTING	UNITS	$000	UNITS	$000
3025	Gear Hobbers	61	8588	8	437
3035	Gear Shapers	11	2715	1	249
3045	Gear Cutting Machines, N.E.C.	34	1337	10	32
3404	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	1294	101274	146	12135
3406	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	84	8977	2	394
3409	Horizontal Machining Centers, ATC, NC	545	85803	34	5837
3411	Machining Centers, NC, N.E.C.	246	47279	11	1815
3412	Single Station and Multi-Station Transfer Machines	169	60502	8	1548
3413	Way Type Machines, (Unit Heads)	0	0	0	0
3417	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	5	1149	0	0
3418	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	36	4654	1	41
3419	Vertical Boring-Drilling-Milling Machines, NC	99	10375	14	920
3422	Horiz. Boring-Drilling-Milling Machines, Non-NC	11	1559	1	20
3423	Vertical Boring-Drilling-Milling Machines, Non-NC	152	4843	26	709
3328	Drilling Machines, NC	204	7830	14	771
3329	Drilling Machines, Multi-Spindle, Non-NC	65	1019	9	138
3334	Drilling Machines, Radial, Non-NC	113	690	12	87
3336	Drilling Machines, Upright, Single Spindle, Non-NC	115	1011	14	190
3342	Drilling Machines, Non-NC, N.E.C.	442	13233	52	1036
3464	Milling Machines, NC	275	24734	31	2065
3466	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	28	1231	5	147
3467	Milling Machines, Knee Type, Non-NC	2205	13485	94	526
3468	Milling Machines, Bed Type, Non-NC	278	10278	15	219
3469	Milling Machines, Non-NC, N.E.C.	1877	29286	203	1625
3476	Vertical Boring Machines, Incl. VTL's, NC	8	1591	0	0
3477	Vertical Boring Machines, Incl. VTL's, Non-NC	34	1262	0	0
3481	Boring Machines, NC, N.E.C.	10	2350	0	0
3483	Boring Machines, Non-NC N.E.C.	302	7192	31	531
3504	Horizontal Lathes, Multi-Spindle, NC	104	12700	7	683
3506	Horizontal Lathes, Single Spindle, Less than 25 HP, NC	2557	158707	277	14710
3508	Horizontal Lathes, Single Spindle, 25-50 HP, NC	340	42684	36	5298
3510	Horizontal Lathes, Single Spindle, Over 50 HP, NC	45	3413	1	290
3512	Horizontal Engine & Toolroom Lathes, Non-NC	2267	21370	317	2549
3513	Automatic Chucking Lathes, Single Spindle, Non-NC	33	799	12	265
3514	Automatic Chucking Lathes, Multi-Spindle, Non-NC	12	1145	0	0
3515	Automatic Bar Machines, Single Spindle, Non-NC	112	3332	19	604
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	41	1843	1	160
3518	Horizontal Lathes, Non-NC, N.E.C.	187	3976	13	227
3505	Vertical Lathes, Multi-Spindle, NC	55	7893	2	1371
3519	Vertical Lathes, NSPF, NC	123	11507	12	1408
3522	Vertical Lathes, Excl. VTL's, Non-NC	864	17096	91	1170
3527	Gear Tooth Grinding & Finishing Machines	440	21099	31	2401
3528	Tool & Cutter Grinding Machines, NC	75	4751	27	3108
3529	Tool & Cutter Grinding Machines, Non-NC	846	25889	37	1270
3533	Honing & Lapping Machines	257	14443	10	375
3539	Grinding Machines, Flat Surface, NC	46	4777	8	686
3541	Grinding Machines, Flat Surface, Reciprocating Table, Non-NC	529	8399	54	994
3543	Grinding Machines, Flat Surface, Non-NC, N.E.C.	1711	19199	139	1428
3546	Grinding & Polishing Machines, NC, N.E.C.	149	19904	23	1685
3554	External Grinding Machines, Non-NC	266	9708	11	711
3556	Internal Grinding Machines, Non-NC	39	3670	3	555
3558	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	132	4973	23	771
3559	Grinding Machines, Non-NC, N.E.C.	980	28858	156	3609
3562	Traveling Wire Electrical Discharge Machines	636	47125	68	5502
3564	All Other Electrical Discharge Machines	262	12098	17	488
3567	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	82	10718	5	582
3571	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	573	7003	11	1005
3576	Metal Cutting Machines Tools, NC, N.E.C.	198	13949	23	2224
3577	Sawing & Cut-Off Machines, Non-NC	1314	18208	125	2270
3578	Broaching Machines, Non-NC	113	1958	0	0
3579	Metal Cutting Machine Tools, Non-NC, N.E.C.	1241	33986	92	2381
4000	Metal Cutting Machine Tools, Used or Rebuilt*	1385	14749	187	3285
5000	Metal Cutting Machine Tools, Less Than $2500**	717766	75433	100676	10185
	TOTAL CUTTING			103256	105724
	TOTAL CUTTING YTD	744483	1141606		
674:	METAL FORMING				
1010	Die Casting Machines	328	26127	17	2612
3582	Metal Forming Machine Tools, Used or Rebuilt	409	4117	28	164
3583	Metal Forming Machine Tools, Less Than $2500	23590	8555	5415	998
3584	Punching and Shearing Machines, Incl. Combination, NC	207	23726	13	2208
3586	Shearing Machines, Non-NC	480	8607	36	448
3587	Punching & Combination Punching & Shearing Machines, Non-NC	392	8971	16	884
3588	Bending, Folding, Straightening & Flattening Machines, NC	211	14517	17	2083
3589	Press Brakes, Non-NC	426	12340	39	1266
3591	Bending Rolls, Ram & Press Bending Machines, Non-NC	80	1341	5	70
3592	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	908	28631	88	1250
3593	Metal Forming Machine Tools, NC, N.E.C.	145	27963	113	5966
3594	Mechanical Presses, Non-NC	333	45092	27	3405
3595	Hydraulic Presses, Vertical, Single Action, Non-NC	58	11286	18	7637
3596	Hydraulic & Pneumatic Presses, Non-NC, N.E.C.	773	70687	100	26812
3597	Headers & Upsetters, Non-NC	80	7272	21	1054
3598	Forging Machines, Non-NC, N.E.C.	92	13882	2	18
3599	Metal Forming Machine Tools, Non-NC, N.E.C.	1901	55127	162	5953
	TOTAL FORMING			6117	62828
	TOTAL FORMING YTD	30413	368245		
	TOTAL ALL TYPES			109373	168552
	TOTAL ALL TYPES YTD	774896	1509851		

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3015, 3415, 3326, 3461,3472, 3502, 3524, & 3573

**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3100, 3462, 3473, 3503, 3526, & 3574

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
SEPTEMBER 1988

674	AUSTRIA		BELGIUM		DENMARK		FRANCE		ITALY	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	0	0	0	0	0	0
3411	0	0	0	0	0	0	0	0	0	0
3412	0	0	0	0	0	0	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	1	594
3328	0	0	0	0	0	0	0	0	2	340
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	0	0	0	0	0	0	0	0
3336	0	0	0	0	0	0	0	0	0	0
3342	0	0	0	0	0	0	0	0	1	4
3464	0	0	0	0	0	0	0	0	1	1050
3466	0	0	3	9	0	0	0	0	0	0
3467	0	0	0	0	0	0	0	0	0	0
3468	0	0	0	0	0	0	0	0	0	0
3469	0	0	0	0	0	0	0	0	2	1[illegible]1
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	0	0	0	0	21	192
3504	0	0	0	0	0	0	0	0	0	0
3506	0	0	0	0	0	0	0	0	0	0
3508	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3519	0	0	0	0	0	0	0	0	2	518
3522	18	370	0	0	0	0	0	0	0	0
3527	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	1	3	0	0	0	0
3533	0	0	0	0	0	0	0	0	1	50
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	10	147
3543	5	70	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3554	0	0	0	0	0	0	0	0	1	314
3556	0	0	0	0	0	0	0	0	0	0
3558	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	20	100	0	0	27	288
3562	0	0	0	0	0	0	0	0	0	0
3564	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3576	0	0	0	0	0	0	0	0	0	0
3577	1	109	0	0	0	0	2	6	2	58
3578	0	0	0	0	0	0	0	0	0	0
3579	0	0	0	0	0	0	7	106	8	67
4000	0	0	0	0	0	0	0	0	2	18
5000	142	116	0	0	16	19	189	96	277	83
CUT MO.	166	665	3	9	37	122	198	208	358	3824
CUT YTD	9532	6851	276	1270	417	1143	3409	8106	6758	32694
1010	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	6	30	1	2
3583	0	0	56	21	0	0	0	0	0	0
3584	0	0	0	0	0	0	0	0	0	0
3586	0	0	4	53	0	0	0	0	0	0
3587	0	0	0	0	0	0	0	0	1	43
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	7	338	0	0	0	0	0	0
3591	0	0	0	0	0	0	0	0	0	0
3592	0	0	1	4	0	0	0	0	25	249
3593	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	1	84	0	0	0	0	0	0	0	0
3596	0	0	6	642	0	0	0	0	0	0
3597	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	0	0	0	0	0	0
3599	0	0	13	221	1	572	22	96	5	50
FRM MO.	1	84	87	1289	1	572	28	126	32	344
FRM YTD	103	322	968	11682	64	1251	985	4034	1947	25220
TOT MO.	167	749	90	1298	38	694	226	334	390	4168
TOT YTD	9635	6973	1244	12952	481	2394	4394	12140	8705	57914

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
SEPTEMBER 1988

674	NETHERLANDS		PORTUGAL		SPAIN		SWEDEN		SWITZERLAND	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	0	0	0	0	0	0
3411	0	0	0	0	0	0	0	0	0	0
3412	0	0	0	0	0	0	0	0	5	879
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	0	0
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	0	0	0	0	0	0	0	0
3336	0	0	0	0	0	0	0	0	0	0
3342	0	0	0	0	18	50	3	40	1	54
3464	0	0	0	0	0	0	0	0	0	0
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	18	106	0	0	0	0
3468	0	0	0	0	14	138	0	0	1	81
3469	0	0	0	0	0	0	0	0	1	32
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	1	10	0	0	0	0	0	0	1	22
3504	0	0	0	0	0	0	0	0	0	0
3506	0	0	0	0	0	0	0	0	0	0
3508	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	1	54
3516	0	0	0	0	0	0	0	0	1	160
3518	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	1	122
3519	0	0	0	0	0	0	0	0	0	0
3522	0	0	0	0	6	39	0	0	0	0
3527	0	0	0	0	0	0	4	12	12	1766
3528	0	0	0	0	1	129	0	0	0	0
3529	0	0	0	0	0	0	0	0	3	314
3533	0	0	0	0	0	0	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3543	0	0	0	0	0	0	0	0	1	104
3546	0	0	0	0	0	0	0	0	1	32
3554	1	84	0	0	0	0	0	0	3	256
3556	0	0	0	0	0	0	0	0	0	0
3558	6	100	0	0	0	0	0	0	14	658
3559	0	0	0	0	0	0	10	27	2	98
3562	0	0	0	0	1	35	0	0	6	720
3564	0	0	0	0	0	0	0	0	1	93
3567	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3576	0	0	0	0	0	0	1	145	1	25
3577	0	0	0	0	0	0	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3579	0	0	0	0	0	0	0	0	2	79
4000	0	0	0	0	1	19	4	29	2	51
5000	71	91	0	0	108	24	185	200	29	13
CUT MO.	79	285	0	0	167	540	207	453	89	5613
CUT YTD	4661	5054	35	125	3521	13740	1429	7219	4490	54383
1010	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	2	10	1	10	0	0
3583	59	25	0	0	0	0	36	16	152	14
3584	1	17	0	0	0	0	0	0	0	0
3586	1	22	0	0	0	0	0	0	0	0
3587	0	0	0	0	1	37	4	89	1	11
3588	0	0	0	0	0	0	0	0	2	451
3589	0	0	0	0	0	0	0	0	0	0
3591	0	0	0	0	0	0	4	65	0	0
3592	0	0	0	0	0	0	13	207	1	7
3593	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	1	4	0	0	0	0
3596	1	1322	0	0	0	0	6	798	3	424
3597	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	0	0	0	0	0	0
3599	1	45	0	0	3	42	0	0	5	169
FRM MO.	63	1431	0	0	7	93	64	1185	164	1076
FRM YTD	286	2890	53	544	593	2569	653	9377	1284	15737
TOT MO.	142	1716	0	0	174	633	271	1638	253	6689
TOT YTD	4947	7944	88	669	4114	16309	2082	16596	5774	70120

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
SEPTEMBER 1988

	U. KINGDOM		W. GERMANY		YUGOSLAVIA		CANADA		BRAZIL	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	4	399	0	0	0	0	0	0
3035	0	0	1	249	0	0	0	0	0	0
3045	0	0	10	32	0	0	0	0	0	0
3404	17	1228	6	450	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	1	100	0	0	0	0	0	0	0	0
3411	0	0	3	673	0	0	1	64	0	0
3412	0	0	2	385	0	0	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	1	41	0	0	0	0	0	0
3419	0	0	10	719	4	201	0	0	0	0
3422	0	0	1	20	0	0	0	0	0	0
3423	1	30	0	0	0	0	0	0	0	0
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	0	0	0	0	0	0	0	0
3336	0	0	0	0	0	0	4	11	0	0
3342	0	0	7	141	0	0	4	515	0	0
3464	12	450	15	396	0	0	0	0	0	0
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	0	0	0	0	0	0
3468	0	0	0	0	0	0	0	0	0	0
3469	160	652	4	307	0	0	0	0	0	0
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	0	0	2	42	0	0
3504	0	0	0	0	0	0	0	0	0	0
3506	24	579	1	210	0	0	0	0	0	0
3508	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	81	422	0	0	0	0	0	0	40	281
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	1	131	0	0	0	0	0	0	11	43
3505	0	0	0	0	0	0	0	0	0	0
3519	1	26	3	473	0	0	0	0	0	0
3522	7	62	1	73	0	0	4	24	21	86
3527	0	0	1	530	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	6	56	20	504	0	0	5	316	0	0
3533	7	219	1	34	0	0	0	0	0	0
3539	8	686	0	0	0	0	0	0	0	0
3541	0	0	4	323	0	0	0	0	0	0
3543	0	0	20	229	1	37	5	37	0	0
3546	0	0	19	1209	0	0	0	0	0	0
3554	3	36	3	21	0	0	0	0	0	0
3556	0	0	3	555	0	0	0	0	0	0
3558	3	13	0	0	0	0	0	0	0	0
3559	12	61	17	810	0	0	3	211	0	0
3562	0	0	0	0	0	0	0	0	0	0
3564	0	0	0	0	0	0	0	0	0	0
3567	0	0	1	15	0	0	0	0	0	0
3571	8	857	0	0	0	0	2	108	0	0
3576	0	0	3	202	0	0	0	0	0	0
3577	27	103	8	547	4	11	16	206	0	0
3578	0	0	0	0	0	0	0	0	0	0
3579	21	550	4	48	0	0	24	577	2	17
4000	27	43	13	1174	0	0	3	68	0	0
5000	452	221	516	160	20	30	172	196	16	26
CUT MO.	839	6525	702	10929	29	279	245	2375	90	453
CUT YTD	8751	59702	12037	173080	286	1456	6348	14373	608	3637
1010	0	0	6	446	0	0	9	427	0	0
3582	1	1	5	60	0	0	10	34	0	0
3583	10	12	72	13	0	0	16	20	1	1
3584	0	0	0	0	0	0	0	0	0	0
3586	4	26	7	63	0	0	6	113	1	5
3587	0	0	1	4	0	0	4	192	0	0
3588	0	0	0	0	0	0	1	107	0	0
3589	0	0	0	0	0	0	14	376	0	0
3591	1	5	0	0	0	0	0	0	0	0
3592	7	307	2	7	0	0	31	416	0	0
3593	0	0	0	0	0	0	0	0	0	0
3594	1	95	0	0	0	0	2	229	6	235
3595	0	0	1	10	0	0	8	465	0	0
3596	25	88	12	1498	0	0	24	165	5	10537
3597	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	0	0	1	14	0	0
3599	11	362	33	1866	0	0	15	382	0	0
FRM MO.	60	896	139	3967	0	0	141	2940	13	10778
FRM YTD	823	12355	3592	38444	0	0	1379	31263	35	17167
TOT MO.	899	7421	841	14896	29	279	386	5315	103	11231
TOT YTD	9574	72057	15629	211524	286	1456	7727	45636	643	20804

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
SEPTEMBER 1988

	CHINA		ISRAEL		JAPAN		KOREAN REP.		SINGAPORE	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	3	20	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	6	90	0	0	104	9453	0	0	6	267
3406	0	0	0	0	2	394	0	0	0	0
3409	0	0	0	0	32	5687	1	80	0	0
3411	0	0	0	0	6	969	0	0	0	0
3412	0	0	0	0	1	284	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	0	0
3328	0	0	0	0	12	431	0	0	0	0
3329	0	0	0	0	9	138	0	0	0	0
3334	0	0	0	0	0	0	0	0	0	0
3336	0	0	0	0	1	7	0	0	0	0
3342	0	0	0	0	4	139	0	0	0	0
3464	0	0	0	0	2	124	0	0	0	0
3466	0	0	0	0	2	138	0	0	0	0
3467	0	0	0	0	0	0	0	0	0	0
3468	0	0	0	0	0	0	0	0	0	0
3469	0	0	4	230	1	41	0	0	6	171
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	6	265	0	0	0	0
3504	0	0	0	0	7	683	0	0	0	0
3506	4	18	0	0	236	13325	7	352	0	0
3508	0	0	0	0	36	5298	0	0	0	0
3510	0	0	0	0	1	290	0	0	0	0
3512	61	283	0	0	2	40	10	126	51	485
3513	0	0	0	0	2	178	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	18	550	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	1	53	0	0	0	0
3505	0	0	0	0	1	1249	0	0	0	0
3519	0	0	0	0	4	309	2	82	0	0
3522	0	0	0	0	6	315	12	79	0	0
3527	0	0	0	0	6	50	0	0	0	0
3528	0	0	0	0	26	2979	0	0	0	0
3529	0	0	0	0	1	59	0	0	0	0
3533	0	0	0	0	1	72	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	1	30	0	0	39	494
3543	0	0	1	109	55	431	0	0	0	0
3546	0	0	0	0	3	444	0	0	0	0
3554	0	0	0	0	0	0	0	0	0	0
3556	0	0	0	0	0	0	0	0	0	0
3558	0	0	0	0	0	0	0	0	0	0
3559	2	30	0	0	47	1922	0	0	0	0
3562	0	0	0	0	57	4703	0	0	0	0
3564	0	0	0	0	5	267	0	0	0	0
3567	0	0	0	0	4	567	0	0	0	0
3571	0	0	0	0	1	40	0	0	0	0
3576	0	0	0	0	17	1834	0	0	0	0
3577	0	0	2	217	33	838	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3579	0	0	0	0	13	874	0	0	0	0
4000	0	0	0	0	23	1796	0	0	0	0
5000	4326	241	0	0	9294	1583	0	0	0	0
CUT MO.	4402	682	7	556	10083	58849	32	689	102	1417
CUT YTD	31451	4770	307	1888	67052	631194	1567	9229	648	6695
1010	0	0	0	0	1	1738	0	0	0	0
3582	0	0	0	0	2	17	0	0	0	0
3583	0	0	0	0	3589	618	0	0	2	1
3584	0	0	0	0	11	1978	0	0	0	0
3586	0	0	0	0	5	119	0	0	2	17
3587	0	0	0	0	3	428	0	0	0	0
3588	0	0	0	0	13	1495	0	0	0	0
3589	0	0	0	0	14	512	0	0	4	40
3591	0	0	0	0	0	0	0	0	0	0
3592	0	0	0	0	5	39	0	0	0	0
3593	0	0	0	0	113	5966	0	0	0	0
3594	0	0	0	0	15	2698	0	0	0	0
3595	0	0	0	0	6	7059	0	0	0	0
3596	0	0	0	0	15	11291	0	0	0	0
3597	0	0	2	76	19	978	0	0	0	0
3598	0	0	0	0	1	4	0	0	0	0
3599	1	30	0	0	42	2014	6	38	0	0
FRM MO.	1	30	2	76	3854	36954	6	38	8	58
FRM YTD	23	167	61	954	7645	183719	68	240	304	1212
TOT MO.	4403	712	9	632	13937	95803	38	727	110	1475
TOT YTD	31474	4937	368	2842	74697	814913	1635	9469	952	7907

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
SEPTEMBER 1988

674:	TAIWAN		AUSTRALIA		ALL OTHERS	
	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	1	18
3035	0	0	0	0	0	0
3045	0	0	0	0	0	0
3404	7	647	0	0	0	0
3406	0	0	0	0	0	0
3409	0	0	0	0	0	0
3411	1	109	0	0	0	0
3412	0	0	0	0	0	0
3413	0	0	0	0	0	0
3417	0	0	0	0	0	0
3418	0	0	0	0	0	0
3419	0	0	0	0	0	0
3422	0	0	0	0	0	0
3423	24	85	0	0	0	0
3328	0	0	0	0	0	0
3329	0	0	0	0	0	0
3334	12	87	0	0	0	0
3336	9	172	0	0	0	0
3342	14	93	0	0	0	0
3464	1	45	0	0	0	0
3466	0	0	0	0	0	0
3467	75	407	0	0	1	13
3468	0	0	0	0	0	0
3469	23	63	0	0	2	28
3476	0	0	0	0	0	0
3477	0	0	0	0	0	0
3481	0	0	0	0	0	0
3483	0	0	0	0	0	0
3504	0	0	0	0	0	0
3506	5	226	0	0	0	0
3508	0	0	0	0	0	0
3510	0	0	0	0	0	0
3512	90	490	0	0	22	422
3513	10	87	0	0	0	0
3514	0	0	0	0	0	0
3515	0	0	0	0	0	0
3516	0	0	0	0	0	0
3518	0	0	0	0	0	0
3505	0	0	0	0	0	0
3519	0	0	0	0	0	0
3522	15	105	1	17	0	0
3527	8	43	0	0	0	0
3528	0	0	0	0	0	0
3529	1	18	0	0	0	0
3533	0	0	0	0	0	0
3539	0	0	0	0	0	0
3541	0	0	0	0	0	0
3543	49	376	0	0	2	35
3546	0	0	0	0	0	0
3554	0	0	0	0	0	0
3556	0	0	0	0	0	0
3558	0	0	0	0	0	0
3559	16	62	0	0	0	0
3562	4	44	0	0	0	0
3564	0	0	11	128	0	0
3567	0	0	0	0	0	0
3571	0	0	0	0	0	0
3576	0	0	1	18	0	0
3577	29	170	0	0	1	5
3578	0	0	0	0	0	0
3579	11	63	0	0	0	0
4000	110	82	1	4	1	1
5000	84509	6975	59	93	295	18
CUT MO.	85023	10449	73	260	325	540
CUT YTD	526835	95425	349	1659	53716	8116
1010	1	1	0	0	0	0
3582	0	0	0	0	0	0
3583	1243	175	1	1	178	81
3584	0	0	0	0	1	213
3586	6	20	0	0	0	0
3587	1	80	0	0	0	0
3588	0	0	0	0	1	10
3589	0	0	0	0	0	0
3591	0	0	0	0	0	0
3592	3	14	0	0	0	0
3593	0	0	0	0	0	0
3594	3	148	0	0	0	0
3595	0	0	0	0	1	15
3596	3	47	0	0	0	0
3597	0	0	0	0	0	0
3598	0	0	0	0	0	0
3599	3	38	0	0	1	28
FRM MO.	1263	523	1	1	182	367
FRM YTD	8796	5175	8	215	743	3704
TOT MO.	86286	10972	74	261	507	907
TOT YTD	535631	100600	357	1874	54459	11820

U.S. IMPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF ORIGIN
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMN
SEPTEMBER 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER EUROPE						
AZORES	0	0	0	0	0	0
BULGARIA	0	0	0	0	0	0
CYPRUS	0	0	0	0	0	0
CZECHOSLOVAKIA	1	5	0	0	1	5
EAST GERMANY	4	59	1	28	5	87
FINLAND	1	1	5	218	6	219
GIBRALTAR	0	0	0	0	0	0
GREECE	0	0	1	30	1	30
HUNGARY	1	5	0	0	1	5
ICELAND	0	0	0	0	0	0
IRELAND	0	0	0	0	0	0
MALTA	0	0	0	0	0	0
NORWAY	0	0	0	0	0	0
POLAND	23	452	0	0	23	452
ROMANIA	0	0	0	0	0	0
USSR	0	0	1	15	1	15
OTHER EUROPE	0	0	0	0	0	0
TOTAL	30	522	8	291	38	813
OTHER NORTH AND CENTRAL AMERICA						
BAHAMAS	0	0	0	0	0	0
BARBADOS	0	0	0	0	0	0
BELIZE	0	0	0	0	0	0
BERMUDA	0	0	0	0	0	0
CAYMAN	0	0	0	0	0	0
COSTA RICA	0	0	0	0	0	0
DOMINICAN REP	0	0	0	0	0	0
FR. W. INDIES	0	0	0	0	0	0
GUATEMALA	0	0	0	0	0	0
HAITI	0	0	0	0	0	0
HONDURAS	0	0	0	0	0	0
JAMAICA	0	0	0	0	0	0
LW & WW IS.	0	0	0	0	0	0
MEXICO	288	8	25	51	313	59
NICARAGUA	0	0	0	0	0	0
N. ANTILLES	0	0	0	0	0	0
PANAMA	0	0	0	0	0	0
SALVADOR	0	0	0	0	0	0
TRINIDAD	0	0	0	0	0	0
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM.	0	0	0	0	0	0
TOTAL	288	8	25	51	313	59
OTHER SOUTH AMERICA						
ARGENTINA	0	0	0	0	0	0
BOLIVIA	0	0	0	0	0	0
CHILE	0	0	0	0	0	0
COLOMBIA	0	0	0	0	0	0
ECUADOR	0	0	0	0	0	0
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	0	0	0	0	0	0
PARAGUAY	0	0	0	0	0	0
PERU	0	0	0	0	0	0
SURINAM	0	0	0	0	0	0
URAGUAY	0	0	0	0	0	0
VENEZUELA	0	0	0	0	0	0
OTHER S. AM.	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0
OTHER OCEANIA						
FR. PAC. IS.	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
NEW ZEALAND	0	0	0	0	0	0
SAMOA	0	0	0	0	0	0
TERR. PAC. IS.	0	0	0	0	0	0
OTH. PAC. IS.	0	0	0	0	0	0
OTHER OCEANIA	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

U.S. IMPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF ORIGIN
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE ALL OTHER COLUMN
SEPTEMBER 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	0	0	0	0	0	0
BAHRAIN	0	0	0	0	0	0
BANGLADESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
HONG KONG	0	0	0	0	0	0
INDIA	7	10	0	0	7	10
INDONESIA	0	0	0	0	0	0
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
JORDAN	0	0	0	0	0	0
KUWAIT	0	0	0	0	0	0
LEBANON	0	0	0	0	0	0
MALAYSIA	0	0	0	0	0	0
NEPAL	0	0	0	0	0	0
OMAN	0	0	0	0	0	0
PAKISTAN	0	0	0	0	0	0
PHILIPPINES	0	0	0	0	0	0
QATAR	0	0	0	0	0	0
SAUDI ARABIA	0	0	0	0	0	0
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	0	0	0	0	0	0
TURKEY	0	0	0	0	0	0
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	7	10	0	0	7	10
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMEY	0	0	0	0	0	0
EGYPT	0	0	0	0	0	0
ETHIOPIA	0	0	0	0	0	0
GABON	0	0	0	0	0	0
GHANA	0	0	0	0	0	0
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	0	0	0	0	0	0
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAG. REP.	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	0	0	0	0	0	0
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	0	0	0	0	0	0
REP. S. AFRICA	0	0	149	25	149	25
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S. W. AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWAZILAND	0	0	0	0	0	0
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	0
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	0
OTH. WEST AFR.	0	0	0	0	0	0
OTHER AFRICA	0	0	0	0	0	0
TOTAL	0	0	149	25	149	25

SOURCE: U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO. IM146; NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES: 1)'0-' = DOLLAR AMOUNT LESS THAN $500. 2)N.E.C. - NOT ELSEWHERE CLASSIFIED. 3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING. 4)MACHINE TOOL IMPORTS, AS REFLECTED IN THE GOVERNMENT STATISTICS, ARE ACTUALLY UNDERVALUED SINCE THEY REFLECT VALUES IN THE COUNTRY OF ORIGIN AND DO NOT INCLUDE OCEAN FREIGHT, INSURANCE, COMMISSIONS OR IMPORT DUTIES.